Declaration of Performance, DoP 200/2013

(Version 3)

To visualize previous versions, click on relevant link : http://www.itwcp-techdocs.eu/DoP/Archive/DOP200_V2/DOP_200_English_V2.pdf

1. Product type: Plastic coil nails
2. Identification: Paslode nails
3. Intended use: For load-bearing wooden structures
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

   ITW Construction Products
   Gl. Banegaardsvej 25
   DK-5500 Middelfart
5. Authorised representative: N/A
6. System of assessment: 3
7. Notified body / Test laboratory:

   VHT Versuchsanstalt für Holz und Trockenbau
   no. 1503
   Annastrasse 18
   64285 Darmstadt
   Germany

   STROJIRENSKY ZKUSEBNI USTAV, s.p.
   no. 1015
   Tovarni 5
   466 21 JABLONEC nad Nisou
   Czech Republic

   performed ITT under system 3 (b) ”determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation”.
8. Declared performance to ETA: N/A
9. Declared performance:

   Notes to the table:

   Characteristic values are calculated or tested according to EN 14592:2008+A1:2012.
10. The performance of the products is in conformity with the declared performance in point 9.

    This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

    Signed for and on behalf of the manufacturer by:

    Jan Ditlevsen
    General Manager

    Middelfart, 2018-01-29

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							Declared values according to EN 14592:2008 + A1:2012						
Nail diameter [mm]	Shank profile	Nail length [mm]	Head diameter / Head area [mm/mm²]	Length of nail point [mm]	Length of ring shank [mm]	Corrosion protection	Service class	Material	Steel standard	Characteristic values fu,k min. 600 or 700 N/mm²			
										Withdrawal parameter $f_{ax,k}$ [N/mm²]	Head pull-through parameter $f_{head,k}$ [N/mm²]	Yield moment $M_{y,k}$ [Nmm]	Tensile capacity $f_{tens,k}$ [N]
NAILS													
2,1	Smooth	30-50	4,8/5,5 - 18/23	3,2	N/A	Bright Electrogalv. 5 µm	1	C9D	EN ISO 16120-2	2,4	8,6	1400	NPD
		35	7 - 38	4,6	N/A	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	2,4	8,6	1570	NPD
	Helical Screw	40-50	5/5,5 - 19/23	3,2	N/A	Bright	1	C9D	EN ISO 16120-2	3,6	19,8	1100	NPD
	Ring	27-50	5,5 - 23	3,2	17-31	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	10,5	19,8	1150	NPD
		35-50 35-50 27-40 45-50	4,7/5,5 - 17/23 5,25 - 21 5,5 - 23 5 - 19	4,2 3,2 4,2	17-37 17-27 14-27 24-29	Hot-dip galvanized, min. 55 µm Hot-dip galvanized, min. 55 µm A2 A2 A4	1-3 1-3 1-3 1-3 1-3	Steel AISI 1008 Si AISI 304, EN 1.4301 AISI 304, EN 1.4301 AISI 316, EN 1.4401	EN ISO 16120-2 ASTM A510 EN 10088-1 EN 10088-1 EN 10088-1	8,1 9,2 7,8 7,8	12,9 19,8 12,9	1050 1000 1160	NPD
		30-40	4,7/17 - 5,0/23	4,2	27	A2 A4	1-3	AISI 304, EN 1.4301 AISI 316, EN 1.4401	EN 10088-1	7,3	13	1150	NPD
		45	21	max. 4,2	min. 27,8	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	8,1	12,9	1050	NPD
2,3	Smooth	35	7 - 38	3,4	N/A	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	2,4	8,5	1200	NPD
2,5	Smooth	35 35-75	6,8/36 5,6/5,84 - 24/26	5 3,7	N/A N/A	Hot-dip galvanized, min. 55 µm Bright Electrogalv. 5 µm Electrogalv. 12 µm	1-3 1 1 1-2	Steel C9D	EN ISO 16120-2 EN ISO 16120-2	2,4 2,4	8,5 8,5	1940 2250	NPD
	Helical Screw	45-75	5,6 - 24	3,7	N/A	Bright	1	C9D	EN ISO 16120-2	5,2	19,8	2550	NPD
	Ring	35	7 - 38	5	22	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	9	15,1	1910	NPD
		35-75	5,5/5,6/7 - 23/24/38	3,7	28-51	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	8,1	19,8	2100	NPD
		35-75	5,8/26 5,7/25	3,7	33 - 63 22 - 62	Hot-dip galvanized, min. 55 µm A2 A4	1-3 1-3 1-3	AISI 1008 Si AISI 304, EN 1.4301 AISI 316, EN 1.4401	ASTM A510 EN 10088-1 EN 10088-1	10 6,6 6,6	20 19 19	1500 1900 1900	NPD
		25-50	6,5/33	4	16-39	A2	1-3	AISI 304, EN 1.4301	EN 10088-1	7,6	20,9	1450	NPD
	Unilock	45	5,8/26	3,7	16	Electrogalv. 12 µm	1-2	AISI 1015	ASTM A510	8,6	19,8	1900	NPD
2,7	Smooth	69,5-75	5,6 - 24	4	N/A	Bright	1	C9D	EN ISO 16120-2	2,4	8,5	2750	NPD
	Helical Screw	45-75	5,6 - 24	4	N/A	Bright	1	C9D	EN ISO 16120-2	6,2	20	2900	NPD
	Ring	35-75	5,6/6,15 - 24/29	4	24-51	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	7,3 6,8 6,8	20	2600	NPD
2,8	Ring	51-75	7,25/5,1 - 31	4,2	38-53	Electrogalv. 5 µm	1	C9D	EN ISO 16120-2	7,6	18,5	2550	NPD
		25 25-32	7,1/39	4,2	15 15-22	Hot-dip galvanized, min. 55 µm A2	1-3 1-3	AISI 1008 Si AISI 304, EN 1.4301	ASTM A510 EN 10088-1	8,3 12,1	NPD NPD	1950 2950	NPD
		50 - 70 65	5,7/25 5,7/25	4,2 4,2	38 - 63 51	Hot-dip galvanized, min. 55 µm A4	1-3 1-3	AISI 1008 Si AISI 316, EN 1.4401	ASTM A510 EN 10088-1	7 7,6	18 20,3	2400 2800	NPD
2,9	Smooth	50-88,5	5,6/6,85 - 24/36	4,4	N/A	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	2,4	8,5	3300	NPD
3,8	Smooth	89-130	8,55 - 57	5,6	N/A	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	2,4	8,5	6750	NPD
	Helical Screw	100-130	8,55 - 57	5,6	N/A	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	4,1	17,5	8400	NPD
4,0	Ring	40	8/50	6,0	25	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	8,9	15,8	6500	NPD
NAILSCREW®													
2,5	NailScrew®	40 - 65 30 - 50	5,9/27 7/38	3,7 3,7	30 - 40 20 - 30	Electrogalv. 5 µm Electrogalv. 12 µm	1 1-2	17MnB3/20MnB4	EN 10263	8	12	2500	NPD
2,8	NailScrew®	45 45 - 65 45 - 75 45 - 75	7/38 7/38 5,9/27 5,9/27	4,2 4,2 4,2 4,2	30 30 - 44 30 - 40 30 - 55	Bright Electrogalv. 12 µm Electrogalv. 5 µm A2	1 1-2 1-2 1-3	17MnB3/20MnB4 17MnB3/20MnB4 17MnB3/20MnB4 AISI 304, EN 1.4301	EN 10263 EN 10263 EN 10263 EN 10088-1	7,4 7,8 7,8 8,8	18 18 13,5 13,5	2500 2500 2500 1150	NPD

NPD = No Performance Determined

$f_{ax,k}$ and $f_{head,k}$ are tested at a characteristic timber density of 350 kg/m³